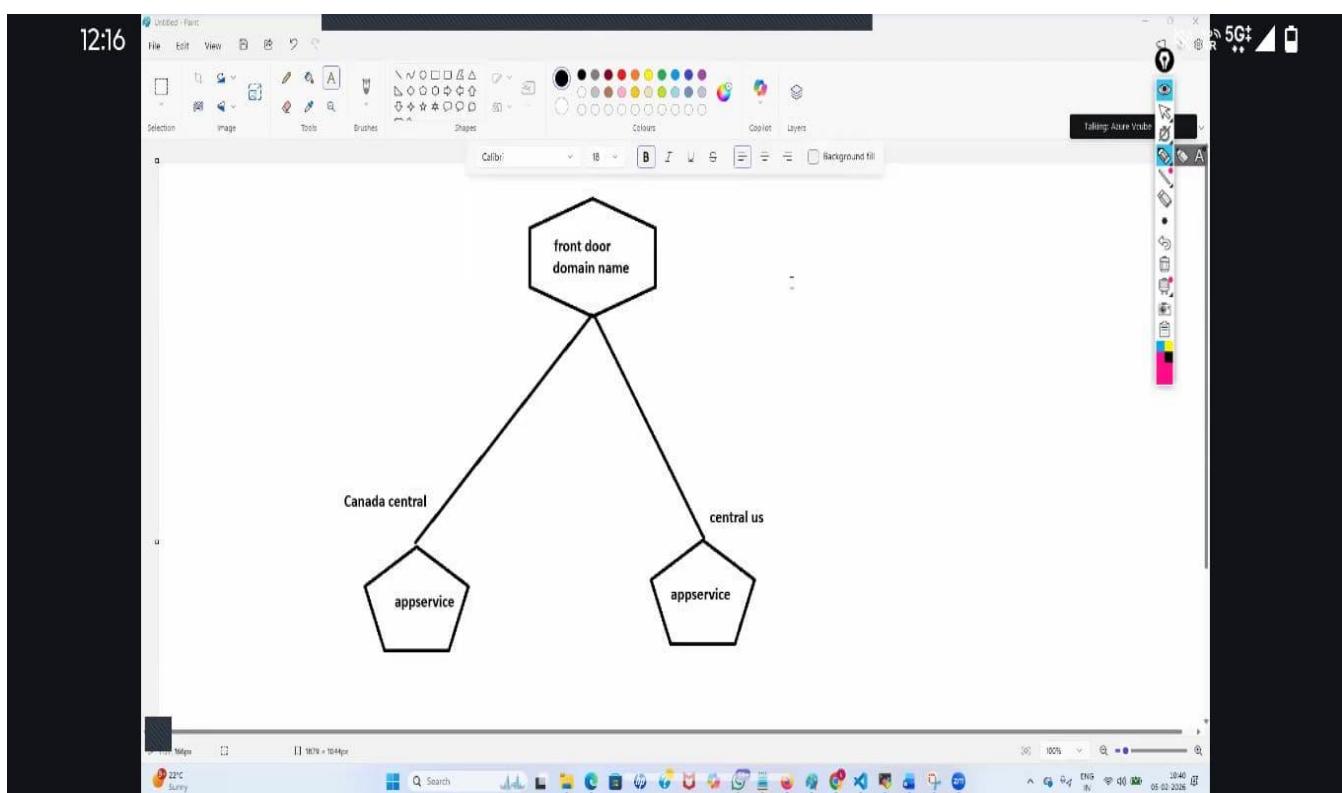
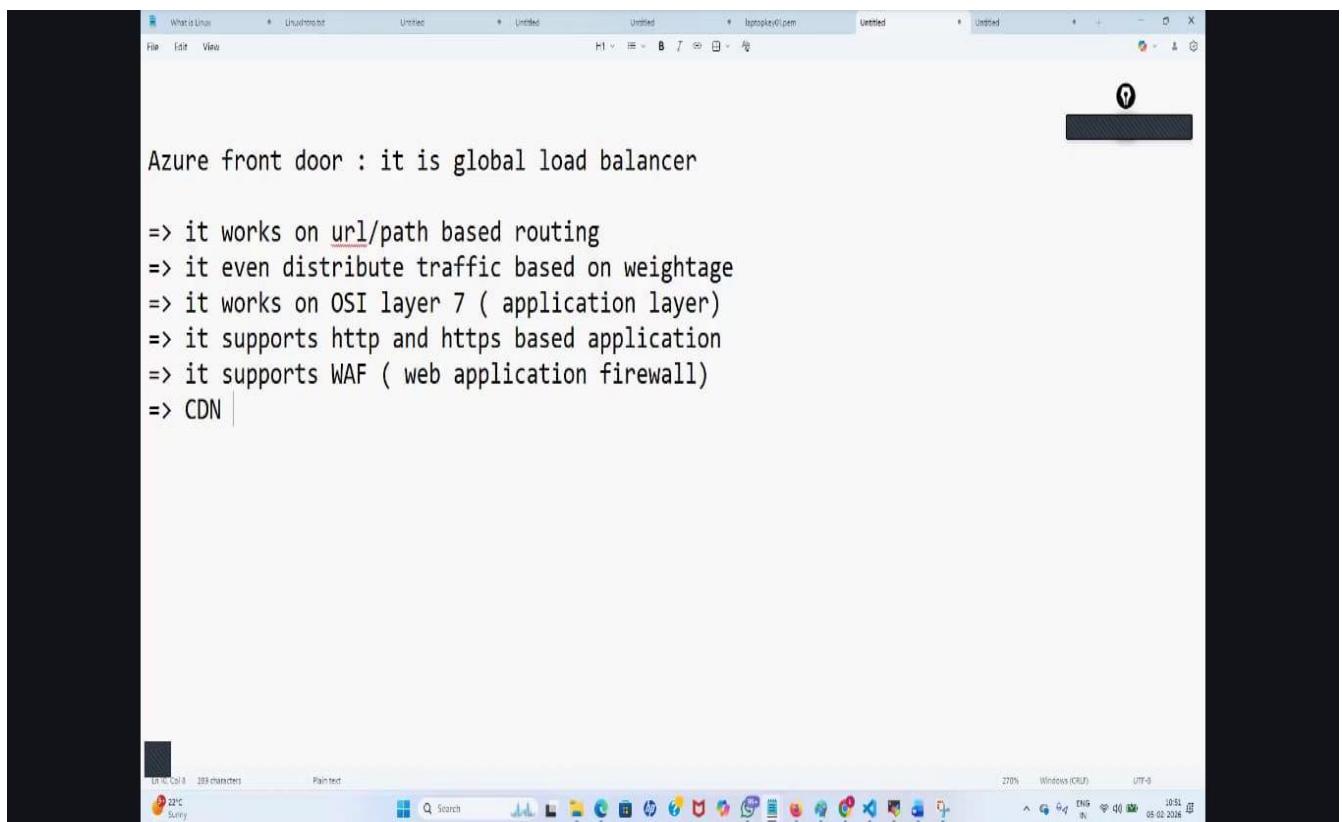
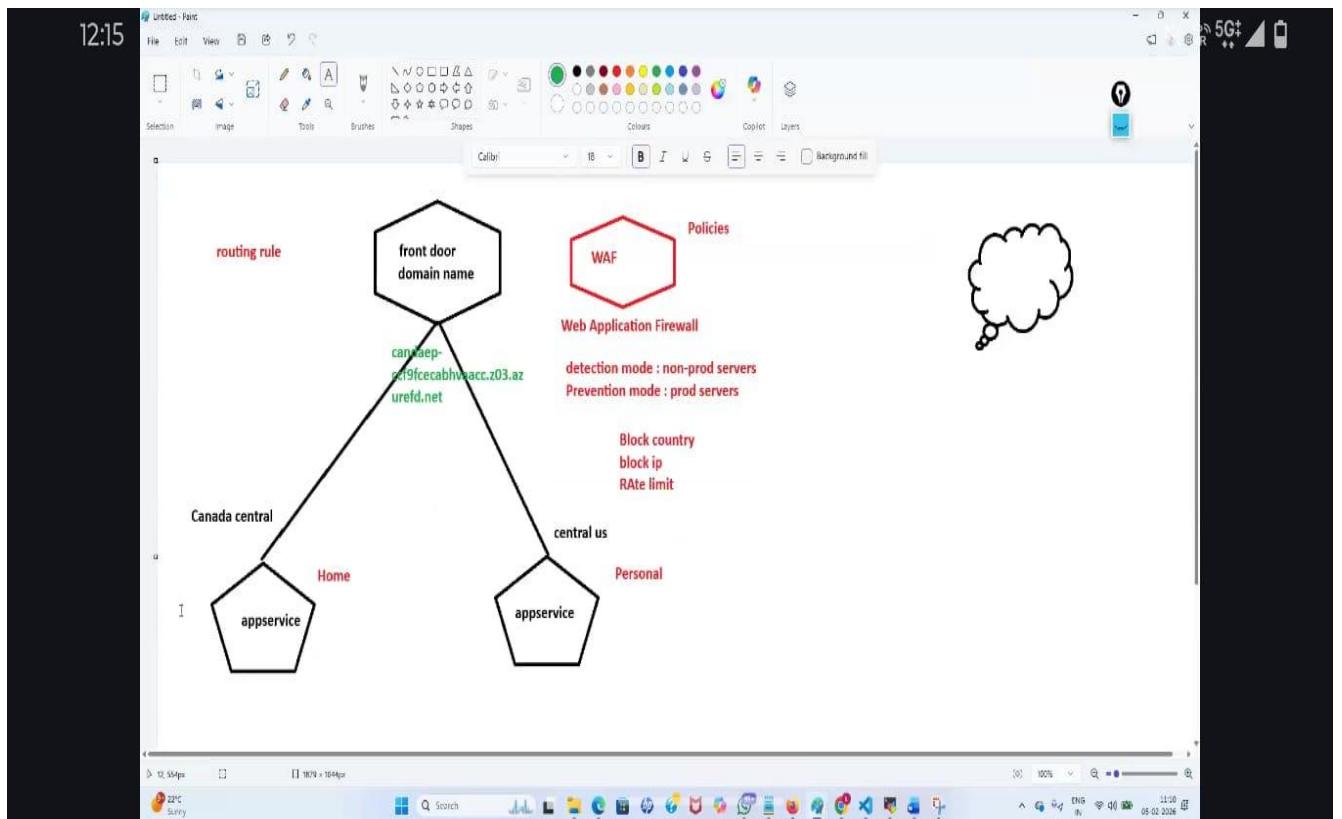


Front Door (Load Balancer)





- ✓ Create two apps in two different Regions
- ✓ US & INDIA

The screenshot shows the Microsoft Azure App Services Deployment Center for the 'UwebUS' web app. The left sidebar lists other resources: 'appb', 'Uwebindia', and 'UwebUS'. The main area displays deployment logs for Thursday, 5 February 2026, at 05:02:2026, 04:... (ID: 8978743) by author 'kuchalakanti'. The deployment status is 'Succeeded (Act... Update About.cshtml)'. The deployment slots table shows two slots: 'uwebus' (Production, Running, ASP-UrgUS-a09a, 100% traffic) and 'uwebus-uwebus' (Running, ASP-UrgUS-a09a, 0% traffic).

UwebUS | Deployment Center

Web App

Logs

Name	Status	App service plan	Traffic %
uwebus	Running	ASP-UrgUS-a09a	100
uwebus-uwebus	Running	ASP-UrgUS-a09a	0

The screenshot shows the Microsoft Azure App Services Deployment slots for the 'UwebUS' web app. The left sidebar lists other resources: 'appb', 'Uwebindia', and 'UwebUS'. The main area displays deployment logs for Thursday, 5 February 2026, at 05:02:2026, 04:... (ID: 8978743) by author 'kuchalakanti'. The deployment status is 'Succeeded (Act... Update About.cshtml)'. The deployment slots table shows two slots: 'uwebus' (Production, Running, ASP-UrgUS-a09a, 100% traffic) and 'uwebus-uwebus' (Running, ASP-UrgUS-a09a, 0% traffic).

UwebUS | Deployment slots

Web App

Deployment slots

Name	Status	App service plan	Traffic %
uwebus	Running	ASP-UrgUS-a09a	100
uwebus-uwebus	Running	ASP-UrgUS-a09a	0

App Services <>

Default Directory (reddylkp2004@gmail.onmicrosoft.com)

UwebUS Web App

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud
- Events (preview)
- Log stream
- Resource visualizer
- Deployment
 - Deployment slots
 - Deployment Center

Consider using Azure Front Door since your app receives incoming requests from multiple regions.

Essentials

	Default domain
Resource group (move)	urgus
Status	App Service Plan ASP-UrgUS-a09a (P0v3: 1)
Location (move)	Operating System Windows
Subscription (move)	Health Check Not Configured
Subscription ID	GitHub Project https://github.com/udayreddy216-code/Bak...
Tags (edit)	
Add tags	

Add or remove favorites by pressing **Ctrl+Shift+F**

❖ Copy domain name and search on browser and you see below result.

FOURTH COFFEE

[Home](#) [About Us](#)

A little bit about Fourth Coffee

Fourth Coffee was founded in 2010 and delivers coffee and fresh baked goods right to your door. In another life, Bill Baker was a developer by day and pastry chef by night. But soon Bill's innate skills with all things involving butter, flour and sugar put him even more in demand than his programming talents and what started out as a way to satisfy his own sweet tooth became all-consuming. Fourth Coffee is not only a candy-coated wonderland of coffee, pastries, cookies and cakes, it also honors his tech background by employing a state of the art online ordering system that makes it easy for anybody with internet access to order his all natural, locally-sourced confections and have them delivered to their door within 24 hours.

©2026 - Fourth Coffee

❖ Do same for webIndia and check the Result

FOURTH COFFEE

[Home](#) [About Us](#)

Welcome to Udaybakers1.1

Fourth Coffee was founded in 2010 and delivers coffee and fresh baked goods right to your door. In another life, Bill Baker was a developer by day and pastry chef by night. But soon Bill's innate skills with all things involving butter, flour and sugar put him even more in demand than his programming talents and what started out as a way to satisfy his own sweet tooth became all-consuming. Fourth Coffee is not only a candy-coated wonderland of coffee, pastries, cookies and cakes, it also honors his tech background by employing a state of the art online ordering system that makes it easy for anybody with internet access to order his all natural, locally-sourced confections and have them delivered to their door within 24 hours.

©2026 - Fourth Coffee

❖ Create Azure Front door

Microsoft Azure Search resources, services, and docs (G+/-)

Home > Load balancing and content delivery | Azure Front Door > Compare offerings

Create a Front Door profile

Tier * ⓘ

Standard
Content delivery optimized

Premium
Security optimized

Endpoint settings

Endpoint name * candaep

Endpoint hostname candaep-ccf9fcecabhvaacc.z03.azurefd.net

Origin type * App services

Origin host name * canadaapp9234.azurewebsites.net

Private link Enable private link service
i Private link connections from Azure Front Door must be approved at the Azure origin. [Learn more](#)

Caching Enable caching

WAF policy [Create new](#)

[Review + create](#) [< Previous](#) [Next: Tags >](#) [Automation options](#)

Create a Front Door profile

Microsoft Azure

i Running final validation...

⚠ AFD configuration updates take up to 20 minutes to take effect. Back to Back changes may take up to 40

* Basics Tags [Review + create](#)

Basics

Subscription	KrishnaReddy-DEV-ENV
Resource group	canada-RG
Location	Canada Central
Name	azfd01
Tier	Azure Front Door Premium

Endpoint

Endpoint hostname	candaep-ccf9fcecabhvaacc.z03.azurefd.net
Origin	canadaapp9234.azurewebsites.net
Caching	Disabled
WAF policy	(New) defaultpolicy

[Create](#)

[< Previous](#)

[Next](#)

[Automation options](#)

- ✓ We added only Canada central bcz the traffic will only go to central not for Central-US

The screenshot shows the Microsoft Azure portal with the URL <https://portal.azure.com/#@kuchalakantikoutlook.mail.onmicrosoft.com/resource/subscriptions/adfed678-4682-4bb0-a62f-2ebd77f373fd/resourceGroups/canada-RG/providers/Microsoft.Cdn/frontDoors/azfd01>. The page title is "azfd01 - Microsoft Azure". The main content area shows the "Overview" tab selected for a Front Door named "azfd01". Key details include:

- Resource group (move):** canada-RG
- Status:** Active
- Location:** Global
- Subscription (move):** KrishnaReddy-DEV-ENV
- Tags:** Add tags
- Endpoints:** candaep-ccf9fceabhwacc.z03.azurefd.net (Provision succeeded, Enabled)
- Security policy:** defaultpolicy-4d12f120 (Provision succeeded)
- Routes:** candaep-ccf9fceabhwacc.z03.azurefd.net (Load the endpoint routes)

- ✓ Copy **endpoint host name** and browse – it will take some time to host page.
- ✓ **Next** – Click on Origin groups there we see default Group which we added for Canada region.
- ✓ Let's add another by clicking on **default origin group** shows below.

The screenshot shows the Microsoft Azure portal with the URL <https://portal.azure.com/#@kuchalakantikoutlook.mail.onmicrosoft.com/resource/subscriptions/adfed678-4682-4bb0-a62f-2ebd77f373fd/resourceGroups/canada-RG/providers/Microsoft.Cdn/frontDoors/azfd01>. The page title is "azfd01 | Origin groups". The main content area shows the "Origin groups" section for the "azfd01" Front Door. It displays:

Name	Endpoints	Routes	Provisioning state
default-origin-group	1 associated endpoint candaep-ccf9fceabhwacc.z03.azurefd.net	1 associated route candaep-ccf9fceabhwacc.z03.azurefd.net	Succeeded

An origin group is a set of origins to which Front Door load balances your client requests. [Learn more](#)

Name

Origins

Origins are the application servers where Front Door will route your client requests. Utilize any publicly accessible application server, including App Service, Traffic Manager, Private Link, and many others. [Learn more](#)

Origin host name	Status	Priority	Weight
canadaapp9234.azurewebsites.net	Enabled	1	1000

Session affinity Enable session affinity

Health probes

If enabled, Front Door will send periodic requests to each of your origins to determine their proximity and health for load balancing purposes. [Learn more](#)

Status Enable health probes

Path *

Protocol * HTTP HTTPS

Update **Cancel** **Close**

- ✓ Above we see **Weight-1000** is on **Canada**.
- ✓ Let's add another origin, by clicking on **Add an Origin**.

← Go back to origin group

Name *

Origin type *

Host name *

Origin host header

Certificate subject name validation Enable the validation
This validation is required if private link is enabled. [Learn more](#)

HTTP port *

HTTPS port *

Priority *

Weight *

Private link
Private link connections from Azure Front Door must be approved at the Azure origin. [Learn more](#)

Status Enable this origin

Add **Cancel** **Close**

Update origin group

Microsoft Azure

Origins are the application servers where Front Door will route your client requests. Utilize any publicly accessible application server, including App Service, Traffic Manager, Private Link, and many others. [Learn more](#)

Origin host name	Status	Priority	Weight
canadaapp9234.azurewebsites.net	Enabled	1	1000
centralappw34.azurewebsites.net	Enabled	1	1000

Session affinity Enable session affinity

Health probes
If enabled, Front Door will send periodic requests to each of your origins to determine their proximity and health for load balancing purposes. [Learn more](#)

Status Enable health probes

Path *

Protocol * HTTP HTTPS

Probe method *

Interval (in seconds) *

Buttons: Update, Cancel, Close

- ✓ **Added both origins.**
- ✓ **Above Path: /**
- ✓ **Protocol: HTTP**

Path *

Protocol * HTTP HTTPS

Probe method *

Interval (in seconds) * second

Load balancing
Configure the load balancing settings to define what sample set we need to use to call the backend as healthy or unhealthy. The latency sensitivity with value zero (0) means always send it to the fastest available backend, else Front Door will round robin traffic between the fastest and the next fastest backends within the configured latency sensitivity. [Learn more](#)

Sample size *

Buttons: Update, Cancel, Close

- **Below default group has two servers with same weight, when users are accessing, traffic will be distributed to two regions of the app service.**

Name ↑↓ Endpoints

Origins are the application servers where Front Door will route your client requests. Utilize any publicly accessible application server, including App Service, Traffic Manager, Private Link, and many others. [Learn more](#)

+ Add an origin

Origin host name	Status	Priority	Weight
canadaapp9234.azurewebsites.net	Enabled	1	1000
centralappw34.azurewebsites.net	Enabled	1	1000

Buttons: Add an origin, Origin host name, Status, Priority, Weight, Close

- ✓ Copy **endpoint host name** and browse – it will take some time to host page.

Note: In **Front Door** we can also access machines using **route based**. Example **Home, Personal**, which we are used in Application gateway.

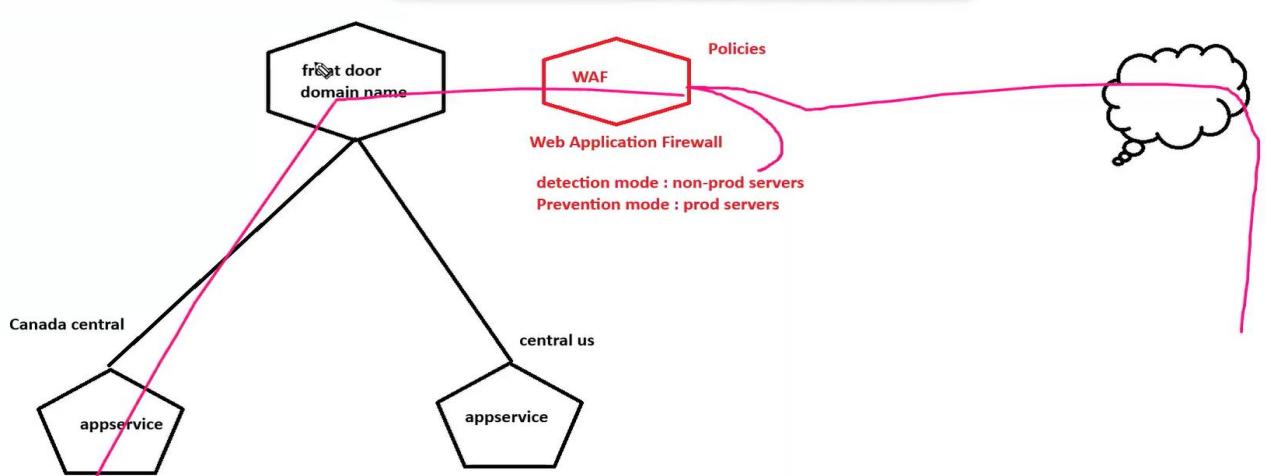
- **Front door for Global load balancer (Supports- Routing and CDN)**
 - For routing add any region on front door and give its path.
 - For other add another region and give its path
 - Same like home/personal but here we are using Domain name **/About**
 - **Application gateway** is for **Regional load balancer (Supports Routing)**
-

=====

WAF (Web Application Firewall)

- ✓ It supports two load balancers.

- FRONT DOOR
- APPLICATION GATEWAY



- ✓ We write policies on WAF
- ✓ **Detection mode: Non-Production Servers**
 - Traffic coming from outside and hit to **WAF**, it **detects** the **policies** but it **won't** stop the **traffic**, traffic goes to front door and hit appservice.
 - It's for testing applications,rules

✓ **Prevention mode: Production Servers**

- Traffic coming from outside and hit to **WAF**, if the policies are not matching it will drop the packets, user cannot access the application.

❖ **WAF** has its own **Microsoft managed policies** and also, we can write our own **Custom policies** like-

- **Block country**
- **Block IP**
- **Rate Limit** – it works for virus like when ever **thousands of requests** coming from single machine, it will identify and drop those requests.